



REFERENCES

- Ahumada, J. A. 2001. Comparison of the reproductive biology of two Neotropical Wrens in an unpredictable environment in Northeastern Colombia The Auk 118 (1): 191-210.
- Ali, S. and Ripley, S. D. 1970. Handbook of the Birds of India and Pakistan. Vol.4 Bombay: Oxford University Press.
- Ali, S. 1996. The Book of Indian Birds twelfth revised and enlarged centenary edition Oxford: Bombay National History Society.
- Austin, O. L. 1961. Birds of the World. London: Hanlyn.
- Badyaev, A. V., Martin, T. E., and Etges. W. J. 1996. Habitat sampling and habitat selection by female wild turkeys: Ecological correlates and reproductive consequences. The Auk 113: 636-646.
- Banks, E. 1935. Note on birds in Sarawak. Sarawak Mus. J. 4: 267-325.
- Basir, M. M., et al. 1999. Biology, Distribution and Management of Swiftlets in Malaysia with special reference to *Collocalia fuciphaga* and *Collocalia maxima*. Paper Presented at the CITES Technical Workshop on Conservation Priorities and Actions for the Sustainability of Harvesting and Trade in Nest of Swiftlets of the Genus *Collocalia* That Feature Prominently in the Birds' Nest Trade. Sarabaya Indonesia, 4-7 November 1996 (n.p).
- Bennetts, R. E., et al. 2000. Influence of environmental and density-dependent factors on reproduction of Little Egrets. The Auk 117 (3): 634-639.
- Bland, R. G. 1978. How to know the insects 3rd ed. Iowa: The Pictured Key Nature Series
- Borror, D. J., De Long, D. M. and Triplehorn, C. A. 1981. An Introduction to the Study of Insect 5th ed. New York: Saunders College.
- Bosque, C. and Bosque, M. T. 1995. Nest predation as a selection factor in the evolution of developmental rate in altricial birds. American Naturalist 145: 234-260, p 176. Cited in McCarty, J. P. 2001. Variation in growth of nestling, Tree Sparrows across multiple temporal and spacial scales. The

- Auk 118 (1): 176-190.
- Boswall, J., and Karwanich, S. 1978. The Birds of Phi Phi Le island, Krabi, Thailand. Nat. Hist. Bull. Siam. Soc. 27: 83-92.
- Brandt, J. H., and Christian, R. J. B., and Griffith, J. E, eds. 1966. The oologists' record. 40 40(4): 61-68.
- Briffett, C. 1995. A Guide to Common Birds of Singapore. Singapore: Singapore Science Centre.
- Brook, R. K. 1972. Genetic limited in old world Apodidae and Hirundinae. Bull. British Orn. Cl. 92(2): 53-57, p 7. Cited in Cranbrook, et al, 1996. Swiftlets (Aves, Apodidae, "Collocalini"): An annotated bibliography prepared for the Department of the Environment. The Department of the Environment, Global Wildlife Division, Bristol.
- Brooke, Er of. 1988. Report on a short visit to Niah Cave, Sarawak, with Field Studies Concil Course (SIC) group (20-21 September 1988), p 9. Cited in Nugroho and Whendrato, (1999.) The farming of Edible-nest Swiftlet in Indonesia (unpublshed).(n.p).
- Brooke, M. de L. 1978. Some factor affecting the laying date, incubation and breeding success of the manx shearwater *Puffinus puffinus* J. Anim. Ecol. 47: 477-495.
- Brooke, R. K. 1970. Taxonomic and evolutionary notes on the subfamilies, tribes, genera and subgenera of the swifts (Aves: Apodidae). Durban Mus. Novit. 9(2): 13-24, p vi. Cited in Cranbrook, et al, 1996. Swiftlets (Aves, Apodidae, "Collocalini"): An annotated bibliography prepared for the Department of the Environment. The Department of the Environment, Global Wildlife Division, Bristol.
- Brown, C. R., and Brown, M. B. 1999. Fitness components associated with clutch size in Cliff Swallows. The Auk (116) 2: 467-486.
- Bukacinska, M., Bukacinski, D., and Spaans, A. L. 1996. Attendance and diet in relation to breeding success in Herring Gulls (*Larus argentatus*). The Auk 113 (2): 300-309.
- Burger, J. 1986. Selection for equitability in some aspects of reproductive

- investment in Herring Gulls (*Larus argentatus*). Ornis, Scand. 18: 17-23, p306. Cited in Bukacinska, M., Bukacinski, D., and Spaans, A. L. 1996. Attendance and diet in relation to breeding success in Herring Gulls (*Larus argentatus*). The Auk 113 (2): 300-309.
- Burger, J., et al. 1996. Temporal patterns in reproductive success in the endangered Roseate Tern (*Sterna dougallii*) nesting on Long Island, New York, and Bird Island, Massachusetts. The Auk 113 (1): 131-142.
- Busst, J. 1956. Nesting of *Collocalia francica* on Bederra Island, Australia N. Queensl. Nat.: 116
- Chantler, P. 1999. Family Apodidae (swiftlets) In Del Hoyo, J., Elliott, A., Sargatal, J. (eds.), 1999. Handbook of the Birds of the World vol.5. Barn Owls to Hummingbirds. pp 388-435 Barcelona: Lynx Edicions.
- Chantler, P., and Driessens, G. 2000. Swifts A Guild to the Swifts and Treeswifts of the World 2nd ed. Hong Kong : Pica Press.
- Claussen, C. P. 1940. Entomophagous Insects 1st ed. London: McGraw-Hill Book Company.
- Corpuz, M. L. B., and Leon, L. De. 1996. Harvesting of Edible Nests and National Policies Governing Edible-nest Swiftlets in the Philippines. Unpublished.
- Coulson, J. C. 1996. The influence of the pairbond and age on the breeding biology of the Kittiwake Gull, *Rissa tridactyla*. J. Anim. Ecol. 35: 269-279, p 209. Cited in Krebs, J. R., and Davies, N. B . 1993. An Introduction behavioral Ecology 3 rd ed. Boston: Blackwell Scientific Publications.
- Cranbrook, Earl of, Somadikarta, S., and Kartikasari, S. N. 1996. Swiftlets (Aves, Apodidae, "Collocalini"): An annotated bibliography prepared for the Department of the Environment. The Department of the Environment, Global Wildlife Division, Bristol.
- Delacour, J. 1947. Birds of Malaysia. New York: the Mac Millan Company.
- Dewey, S. R., and Kennedy, P. L. 2001. Effects of supplemental food on parental-care strategies and juvenile survival of Northern Goshawks The Auk 118 (2): 352-365.

- Dexter, R. W. 1977. Chimney Swifts use same nest for five consecutive years. Bird Banding 49: 278-279, p171. Cited in Kang et al., 1991. Nest Construction and egg laying in Edible-nest Swiftlets *Aerodramus* spp. Nat. Malaysiana 16, 44-51.
- Diamond, A. W. 1987. Study of Mascarine Island Birds. Cambridge: Cambridge University.
- Dickinson, E. C. 1989. A Review of larger Philippine swiftlets of the genus *Collocalia* Forktail 4: 19-53.
- Dunlap, E. P. 1907. Edible birds' nests Islands of Siam. J. Siam. Soc. 4 (3):1-11.
- Ehrlich, P. R., Dobkin, D. S. and Wheye, D. W. 1988. The Birder's handbook : A Field Guild to the natural history of birds. New York: Simon and Schuster/Fireside Books. [online] Available from: http://www.Stanfordalimni.org/birdsite/text/essays/Brood_Reduction.html[7/6/45]
- Er, K. B. H., Rahajo, and Vordon. M. J. 1995. Development of a Standard Censusing Technique for the Estimation and Monitoring of Wild Population of Edible-nest Swiftlets in South East Asia: A Preliminary Research Framwork. Paper presented at the first meeting of the ASEAN Task Force for the conservation of Edible-nest Swiftlets, 3 October 1997, Singapore (n.p.)
- Er, K. B. H., et al. 1997. Edible Birds' Nest Swiftlets and CITES: A review of the evidence of decline and nest harvesting effects. Working papre 1995/3, Centre of Resource and Environmental Studies, Australian Natinal University, Canberra. (n.p.)
- Eve, R., and Guigue, A. M. 1996. Birds of Thailand and Malaysia. Malaysia: Time edition Pte.
- Finlayson, J. F. 1979. The ecology and behavior of closely related specimens in Gibraltar with species reference to Swiftlets and Warblers. Un published D. Phil Thesis, Oxford University.
- Francis, C.M. 1987. The Management of Edible Birds' Nest Cave in Sabah. Wild life Section: Sabah Forest Department Sandakan.

- Freitag, A., Martinoli, A., and Urzelai, 2002. Monitoring the feeding activities of nesting birds with an autonomous system: the case study of the endangered Wryneck *Jynk torquilla* [Online] Available from :[http://www.coro.calteeh.edu/people/alcherio/papers/BSO1 Final text and Figs.pdf](http://www.coro.calteeh.edu/people/alcherio/papers/BSO1%20Final%20text%20and%20Figs.pdf)
- Giles, F. H. 1963. A description of Swiftlets (*Collocalia francica* and *Collocalia innominata*), the birds which build edible nests. J. Siam Soc. Nat. Hist. Supp. 10: 137-160.
- Gill, F. B. 1990. Ornithology. New York: W. H. Freeman Company.
- Gillieson, D. 1996. Cave: Processes, Development and Management. Oxford: Blackwell.
- Glenister, A. G. 1971. The Birds of the Malay Penninsular Singapore and Penang Hong Kong: Dai Nippon Printinng.
- Hall, L. S. and Karubian, J. O. 1996. Breeding behavior of Elegant Torgons in Suotheast Arizona. The Auk 113 (1): 143-150.
- Halupka, K. 1998. Partial nest predation in an altricial bird selection for the accelerated development of young. J. Avi. Biol. 29: 129-133, p 176. Cited in McCarty., J. P. 2001. Variation in growth of nestling, Tree Sparrows across multiple temporal and spacial scalles. The Auk 118(1): 176-190.
- Harrison, T. 1974. The food of Collocalia swiftlets (Aves : Apodidae) at Niah Great Cave in Borneo. J. Bombay. Nat. Hist. Soc. 71(3): 376-393.
- Henry, G. M. 1971. A Guide to the Birds of Ceylon. London : Oxford University Press.
- Hooge, P. N., Stanback, M.T., and Koenig, W.D. 1999. Nest-site Selection in the Acorn Woodpecker. The Auk 116 (1) : 45-54.
- Kang, N. and Lee, P.G. 1991. The Edible-nest Swiftlets *Aerodramus* spp. Nat. Malaysiana 16: 44-51.
- Kang, N., Hails, C. J. and Sigurdsson, J. B. 1991. Nest construction and egg-laying in Edible-nest Swiftlets *Aerodramus* spp. and implication for harvesting. Ibis 133: 170-177.
- Kenneth, B. H. Er. 1999. An update of current research on the Edible-nest

- Swiftlets in South East Asia: Taxonomy, Distribution, Conservation status, and effects of nest harvesting and habitat modification. Paper presented on the second meeting of the ASEAN Task Force for the Conservation of Edible-nest Swiftlets, Bangkok, February 25-26,1999. (n.p.).
- Kenneth, B. H. Er, Rahajo, Y., and Vandon, M. 1997. Development of a Standardised Censusing Technique for the Estimation and Monitoring of Wild Population of Edible-nest Swiftlets in South East Asia: A Preliminary Research Framework. Paper presented at the "First Meeting of the the ASEAN Task Force for the conservation of Edible-nest Swiftlets" 3 October 1997, Singapore.(n.p.)
- Kenneth, B. H. Er., et al. 1995. Centre for Resorce and Environmental Studies Working Paper Edible-nest Swiftlets and CITES: A review of the evidence of population decline and nest harvesting effects.(n.p.).
- King, B. F., and Dickinson, E. C. 1993. Birds of South East Asia Hong Kong: Harper Collins.
- Krebs, J. R., and Davis, N. B. 1993. An Introduction to Behavioral Ecology 3rd ed. London : Blackwell Scientific Publications.
- Lack, D. 1956. Swifts in a Tower. London: Capman and Hall, p28. Cited in Chantler, P., and Driessens, G. 2000. Swifts A Guild to the Swifts and Treeswifts of the World 2nd ed. Hong Kong: Pica Press.
- Lack, D. 1968. Ecological A daptation for Breeding in Birds. London: Methven., p 176. Cited in McCarty ., J. P. 2001. Variation in growth of nestling, Tree Spallows across multiple temporal and spacial scalles. The Auk 118 (1): 176-190.
- Langham, N. 1980. Breeding Biology of the Edible–nest Swiftlet *Aerodramus fuciphagus*. Ibis 122 : 447-461.
- Larison, B. et al. 2001. Avian responses to restoration: Nest-site selection and reproductive success in Song sparrows The Auk 118 (2): 432-442.
- Lau, A. S. M. and Melville, D. S. 1994. Traffic international with special reference to species in danger International Trade in Swiftlets nests Traffic International .(n.p.)

- Lee, P. G. and Kang, N. 1994. The reproductive strategies of edible-nest swiftlets (*Aerodramus* spp.) Bull. Brit. Orn. Cl. 114: 104-112.
- Lee, P. L. M., et al. 1996. Does behavior reflect phylogeny in Swiftlets (Aves: Apodidae) ?. A test using cytochrome b mitochondrial DNA sequences Proc. Nat. Acad. Sci. U.S. 93: 7091-7096.
- Lekagul, B., and Round, P. D. 1991. A Guide to the Birds of Thailand. Bangkok: Sahakarn Bhaet.
- Mardiastuti, A. 1999. Research and knowledge on Edible-nest Swiftlets in Indonesia: a short review. Paper presented on the second meeting of the ASEAN Task Force for the Conservation of Edible-nest Swiftlets, Bangkok, February 25-26,1999).(n.p).
- Mardiastuti, A., and Mranata, B. 1996. Biology and Distribution of Indonesian Swiftlets with a special referrence to *Collocalia fuciphaga* and *Collocalia maxima*. Paper presented on the " Technical Workshop on Conservation Priorities and Actions for the Sustainability of Harvesting and Trade in nest of Swiftelts of the Genus *Collocalia* that Feature Prominetly in the Bird-nest Trade" Sarabaya, 4-7 November 1996.(n.p.)
- Marin, M. A. and Stiles, F. G. 1992. On the biology of five species of swiftlets (Apodidae, Cypseloidinae) in Costa Rica. Proc. Western. Found. Vert. Zool. 4 (5): 266-351, p33. Cited in Chantler, P., and Driessens, G. 2000. Swifts A Guild to the Swifts and Treeswifts of the World 2nd ed. Hong Kong : Pica Press.
- Marshall, A. J., and Folley, S. J. 1956. The Origin of nest cement in Edible-nest Swiftlets (*Collocalia* spp.). Proc. Zool. Soc. Lon. 126: 383-389.
- McCarty, J. P. 2001. Variation in growth of nestling Tree Swallows across multiple temporal and spatial scales. The Auk 118 (1): 176-190
- Medway, L. 1969. Studies on the biology of the edible birds 'nest swiftlets of South East Asia. Malay. Nat. J. 22: 57-63.
- Medway, L 1962. b. The Swiftlets (*Collocalia*) of Niah Cave, Sarawak, Part1. Breeding biology Part 2. Ecology and the regulation of breeding. Ibis 104 : 45-66; 228-245. p 9. Cited in Cranbrook, et al, 1996. Swiftlets (Aves,

- Apodidae, "Collocalini"): An annotated bibliography prepared for the Department of the Environment. The Department of the Environment, Global Wildlife Division, Bristol.
- Medway, L. 1962.a The relation between the reproductive cycle, moult, and changes in the sublingual salivary glands of the swiftlet *Collocalia maxima* Hume. Proc. Zool. Soc. Lon. 138: 305-315, p 9. Cranbrook, et al, 1996. Swiftlets (Aves, Apodidae, "Collocalini"): An annotated bibliography prepared for the Department of the Environment. The Department of the Environment, Global Wildlife Division, Bristol.
- Medway, L. 1963. The antiquity of trade in Edible birds' nests. Fed. Mus. J. 8: 36-47.
- Medway, L. 1966. Field Characters as a guide to the specific relation of swiftlets. Proc. Linn. Soc. Lon. 177,2, 151-177.
- Monroe, B. L. and Sibley, C. G. 1993. A world Checklist of Birds. London: Yale University Press.
- Morris, R. D. 1987. Time-partitioning of clutch and brood care activities in Herring Gulls: A measure of parental quality ? Stud. Avian. Biol. 10: 68-74, p 306. Cited in Bukacinska, M., Bukacinski, D., and Spaans, A. L. 1996. Attendance and diet in relation to breeding success in Herring Gulls (*Larus argentatus*). The Auk 113 (2): 300-309.
- Nguyen, Q. P. 1996. Summary, Some major factor influence the breeding success of White-nest Swiftlets *Collocalia fuciphaga germani* Oustalet in Vietnam. 38-40 Khanh Hoa Vietnam.
- Nguyen, Q. P. 1994. Breeding and Moulting in the Edible birds' nests reprint from federation Museum J. Vol.8, New Series 1963.
- Nguyen, Q. P. 1994. Breeding and Moulting in the Edible-nest Swiftlets *Collocalia fuciphaga germani* in Vietnam. Aluada 62 (2): 107-115.
- Nol, E., and Smith, J. N. M. 1987. Effects of age and breeding experience on seasonal reproductive success in the Song Sparrow. J. Anim. Ecol. 56 : 301-313, p439. Cited in Larison, et al., 2001. Avian responses to restoration: Nest-site selection and reproductive success in Song Sparrow. The Auk

118 (2): 432-442.

- Nugroho, E., and Whendrato, I. 1996. The farming of Edible-nest Swiftlets in Indonesia. Paper Presented at the CITES Technical Workshop on Conservation Priorities and Actions for the Sustainability of Harvesting and Trade in Nest of Swiftlets of the Genus *Collocalia* that Feature Prominenting in the Birds' Nest Trade. Surabaya, Indonesia 4-7 November 1996.(n.p.).
- Nugroho, E., Whendrato, I. 1999. The Farming of Edible-nest Swiftlets in Indonesia Paper presented on the second meeting of the ASEAN Task Force for the Conservation of Edible-nest Swiftlets, Bangkok, February 25-26, 1999.(n.p.).
- Oberholser, H. C. 1912. A revision of the fors of the Edible -nest Swiftet, *Collocalia fuciphaga* (Thunberg). Proc. U.S. Nat. Mus. 42 (1881): 11-19.
- Perrins, C. M., and Birkhad, T. R. 1983. Avian ecology. Glasgow: Blackie. P6. Cited in Yogev, A. et al.,1996. Determination of clutch size and the breeding biology of the Spur-winged Plover (*Vanellus spinosus*) in Israel. The Auk 113 (1): 68-73.
- Peter, J. L. 1940. Check-List of Birds of the World. Cambridge: Harward University.
- Quate, G. S. 1952. Edible birds' nests J. Siam. Soc. 40 part 2: 157-168.
- Robson, C. 2000. A field guide to the Birds of Thailand and South East Asia Bangkok: Asia Books.
- Rodelphe, M. des C. 1992. The Birds of China. London: Oxford University Press.
- Royal Forestry Department of Thailand, 1999. Draft report of the second Meeting of ASEAN Task Force for the Conservation of Edible-nest Swiftlets, Bangkok, February 25-26,1999.(n.p.)
- Safriel, U. N. 1975. On the significance of clutch size in nidifugous birds. Ecology 56: 703-708, p68. Cited in Yogev, A. et al., 1996. Determination of clutch size and the breeding biology of the Spur-winged Plover (*Vanellus spinosus*) in Israel. The Auk 113 (1): 68-73.

- Sibley, C. G., and Monroe, B. L. 1990. Distribution and Taxonomy of Birds of the World. London: Yale University Press.
- Sim, R. W. 1959. Edible bird's nests New Biol. 30: 47-58.
- Siriporbikul, C. 2001. Cave: Karst and Other Related Terms. Deepwell Drilling and Development Division Public works Department, Thailand. (unpublished)
- Skutch, A. F. 1935. Helpers at the nest. The Auk 52: 257-273, p 29. Cited in Chantler, P., and Driessens, G. 2000. Swifts A Guild to the Swifts and Treeswifts of the World 2nd ed. Hong Kong: Pica Press.
- Smythies, B. E. 1975. A Note on the Swiftlets (*Collocalia*) found in Burma. J. BomBay Nat. Hist. Soc. 72 (3): 847-851.
- Stressmann, E. 1931. Notes on the Systematics and Distribution of some swiftlets(*Collocalia*) of Malaysia and adjacent subregions. Bull. Raffles Mus. 6: 83-101.
- Stutchbury, B. J. M., and Morton, E. S. 2001. Behavior Ecology of Tropical Birds. New York: Academic Press.
- Suryan, R. M., and Irons, D. B. 2001. Colony and Population dynamics of Black-legged Kittiwakes in a heterogenous environment. The Auk 118 (3): 636-649.
- Szekely, T., Karsai, I and Williams, T.D. 1994. Determination of clutch size in the Kentish Plover *Charadrius alexandrinus*. Ibis 136 : 341-348. p68. Cited in Yogeve, A. et al.,1996. Determination of clutch size and the breeding biology of the Spur-winged Plover (*Vanellus spinosus*) in Israel. The Auk 113 (1) : 68-73.
- Tarburton, M. K. 1986. An Experimental manipulation of clutch and brood size of White-rumped Swiftlets *Aerodramus apondiopygius* of Fiji. Ibis 129: 107-114.
- Tarburton, M. K. 1993. Determinants of clutch size in tropics, with reference to the White-rumped Swiftlet *Avocetta*. 17: 163-175, p 29. Cited in Chantler, P., and Driessens, G. 2000. Swifts A Guild to the Swifts and Treeswifts of the World 2nd ed. Hong Kong: Pica Press.

- Thomson, D. L., Monaghan, P. and Furness, R. W. 2002. The demands of incubation and avian clutch size: [online] Available from: <http://www.gla.ac.uk/ibs/DFEB/rwf/refs/tdiaes.htm>
- Ward., J. M., and Kennedy, P. 1996. Effects of supplemental food on size and survival of juvenile Northern Goshawks. The Auk. 113(1): 200-208.
- Waugh, D .R., and Hails, C. J. 1983. Foraging ecology of a Tropical aerial feeding bird guild Ibis 125, 200-217, p17. Cited in Kenneth, B.H. Er. 1999. An update of current research on the Edible-nest Swiftlets in South East Asia: Taxonomy, Distribution, Conservation status, and effects of nest harvesting and habitat modification. Paper presented on the second meeting of the ASEAN Task Force for the Conservation of Edible-nest Swiftlets, Bangkok, February 25-26, 1999. (n.p.)
- Weatherhead, P. J. And Dufour, K.W. 2000. Fledging success as an index of recruitment in Red –winged Blackbirds. The Auk 117 (3): 627-633.
- Wells, D. R., 1999. The Birds of the Thai-Malay Peninsular with Contribution from Phillip D. Round and Uthai Treesukon. vol1. Non Passerines. London: Academic Press.
- Westneat, D. F. 1992. Nesting synchrony by female Red-winged Blackbirds: Effects on predation and breeding success. Ecology 73 (6): 2284-2294.
- Wildash, P. B., and Tuttle, C E. 1968. Birds of South Vietnam. Japan: Butland, Charles E. Tuttle.
- Wirjoatmodjo, S., and Samedi, 1996. Sustainable Management Programme of Indonesia Swiftlet Nest Production (revised). Country paper to be presented at the workshop on Edible-nest Swiftlets of the genus *Collocalia*, Surabaya, 4-7 November 1996.(n.p.)
- Yogev., A. et al. 1996. Determination of clutch size and the breeding biology of the Spur-winged Plover (*Vanellus spinosus*) in Israel. The Auk 113 (1): 68-73.
- Zhiyang, F., and Fengi, H. E. 1996. The status and trade of edible-nest swiftlets Genus *Collocalia* in China. (n.p.)



Biography

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